

1   **What is claimed is:**

1           1.    A customer quotation system providing product  
2 price information to customers, comprising:

3           a data processing module configured to create a  
4           plurality of product data tables from a  
5           plurality of original data tables, wherein the  
6           product data tables comprise at least process  
7           technology data and product quote data, the  
8           data processing module further being configured  
9           to integrate and convert the product data  
10          tables to a customer requirement table, the  
11          data processing module further being configured  
12          to obtain a price of a product based on a sum  
13          of quotes for process technologies  
14          corresponding to the product from the customer  
15          requirement table.

1           2.    The system as claimed in claim 1, wherein the  
2 original data tables comprise an original product data  
3 table and an original process technology table.

1           3.    The system as claimed in claim 2, wherein the  
2 product data tables comprise a process technology table  
3 created from the original product data table and the  
4 original process technology table.

1           4.    The system as claimed in claim 1, wherein the  
2 original data tables comprise an original quote header  
3 table.

1           5.    The system as claimed in claim 1, wherein the  
2 product data tables comprise a product quote header table  
3 created from an original quote header table in the  
4 original data table.

1           6.    The system as claimed in claim 1, wherein the  
2 original data tables comprise an original quote item  
3 table.

1           7.    The system as claimed in claim 6, wherein the  
2 product data tables comprise a product quote item table  
3 created from the original quote item table.

1           8.    The system as claimed in claim 1, wherein the  
2 process technology data comprises at least one specified  
3 process technology.

1           9.    A method for providing product price  
2 information to customers, the method comprising the steps  
3 of:

4           creating a plurality of product data tables from a  
5           plurality of original data tables, wherein the  
6           product data tables comprise process technology  
7           data and product quote data;  
8           integrating and converting the product data tables  
9           to a customer requirement table; and  
10          obtaining the price of the product, based on a sum  
11          of quotes for the process technologies  
12          corresponding to the product, from the customer  
13          requirement table.

1           10. The method as claimed in claim 9, wherein, in  
2 the creation step, the original data tables comprise an  
3 original product data table and an original process  
4 technology table.

1           11. The method as claimed in claim 10, wherein, in  
2 the creation step, the product data tables comprise a  
3 process technology table created from the original  
4 product data table and the original process technology  
5 table.

1           12. The method as claimed in claim 9, wherein, in  
2 the creation step, the original data tables comprise an  
3 original quote header table.

1           13. The method as claimed in claim 12, wherein, in  
2 the creation step, the product data tables comprise a  
3 product quote header table created from the original  
4 quote header table.

1           14. The method as claimed in claim 9, wherein, in  
2 the creation step, the original data tables comprise an  
3 original quote item table.

1           15. The method as claimed in claim 14, wherein in  
2 the creation step, the product data tables comprise a  
3 product quote item table created from the original quote  
4 item table.

1           16. The method as claimed in claim 9, wherein, in  
2 the creation step, the process technology data for the

3 product further comprises at least one specified process  
4 technology.

1 17. A customer quotation system providing product  
2 price information to customers, comprising:

3 a data processing module configured to create a  
4 process technology table from an original  
5 product data table and an original process  
6 technology table, the data processing module  
7 further being configured to create a product  
8 quote header table from an original quote  
9 header table, the data processing module  
10 further being configured to create a product  
11 quote item table from an original quote item  
12 table, the data processing module further being  
13 configured to integrate the process technology  
14 table, the product quote header table, and the  
15 product quote item table for conversion to a  
16 customer requirement table; and

17 a data delivery module coupled with the data  
18 processing module, the data delivery module  
19 being configured to send the customer  
20 requirement table to the customer, the data  
21 delivery module further being configured to  
22 obtain the price of the product accordingly.

1 18. The system as claimed in claim 17, wherein the  
2 process technology table further comprises at least one  
3 specified process technology.

1           19. A storage medium for storing a computer program  
2 providing a method for providing product price  
3 information to customers, comprising using a computer to  
4 perform the steps of:

5           creating a plurality of product data tables from a  
6           plurality of original data tables, wherein the  
7           product data tables comprise process technology  
8           data and product quote data;

9           integrating and converting the product data tables  
10          to a customer requirement table; and

11          obtaining the price of the product, based on a sum  
12          of quotes for the process technologies  
13          corresponding to the product, from the customer  
14          requirement table.

1           20. The storage medium as claimed in claim 19,  
2 wherein the original data tables comprise an original  
3 product data table and an original process technology  
4 table.

1           21. The storage medium as claimed in claim 20,  
2 wherein the product data tables comprise a process  
3 technology table created from the original product data  
4 table and the original process technology table.

1           22. The storage medium as claimed in claim 19,  
2 wherein the original data tables comprise an original  
3 quote header table.

1           23. The storage medium as claimed in claim 22,  
2 wherein the product data tables comprise a product quote

3 header table created from the original quote header  
4 table.

1 24. The storage medium as claimed in claim 19,  
2 wherein the original data tables comprise an original  
3 quote item table.

1 25. The storage medium as claimed in claim 24,  
2 wherein the product data tables comprise a product quote  
3 item table created from the original quote item table.

1 26. The storage medium as claimed in claim 19,  
2 wherein the process technology data for the semiconductor  
3 product further comprises at least one specified process  
4 technology.

1 27. A customer quotation system comprising:  
2 logic configured to create product data tables from  
3 original data tables;  
4 logic configured to convert the product data tables  
5 to a customer requirement table; and  
6 logic configured to calculate a price of a product,  
7 the price of the products being based on a sum  
8 of quotes for process technologies that  
9 correspond to the product, the price of the  
10 product being calculated from information in  
11 the customer requirement table.

1 28. A computer-readable medium comprising:  
2 computer-readable code adapted to instruct a  
3 programmable device to create a product data  
4 table from an original data table;

5 computer-readable code adapted to instruct a  
6 programmable device to convert the product data  
7 table to a customer requirement table; and  
8 computer-readable code adapted to instruct a  
9 programmable device to calculate a price of a  
10 product, the price of the product being based  
11 on a sum of quotes for process technologies  
12 corresponding to the product, the price of the  
13 product being calculated from information in  
14 the customer requirement table.